

Learning and Technology

Class 3 - Generations of learning



What we'll cover

- In the news
- Managing email
- Changes in education and technology
- How do those changes affect lifelong learning?



Class schedule

Class	Theme
10/24	Introduction
10/31	Why do we have an education system?
11/7	Generations of learning, from Pre-K to lifelong learning
11/14	We're not there yet
11/21	What's next?



The e-book choice – rent, borrow, or buy?



Have it your way, maybe

Via Slate



Learning and Technology 7



Questions?



Learning and Technology 8



School to work, maybe



Learning and Technology 9





The education system is based on a framework from the 17th and 18th century that says we should play for the first five years of life, then learn, then work, then rest and then die.

Sebastian Thrun, Stanford research professor



200 years of educating

Why do we teach this way?



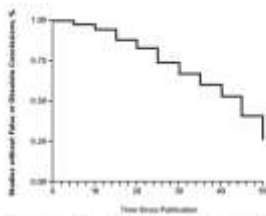
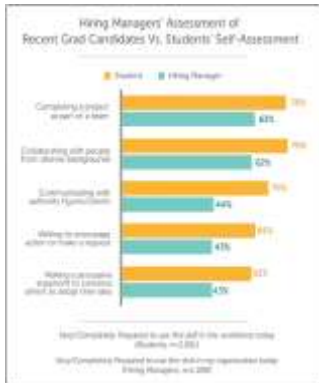


Figure 7. Decay in the bulk of knowledge in the areas of hospitals and medicine. The 50 percent mark is reached for 5 to 6 years, meaning it takes about forty-five years for half of the knowledge in these fields to be overturned. (From Proctor, et al. "Half-Survival in Clinical Research: An Evidence-Based Response?" *Annals of Internal Medicine* 146, no. 12 (2007): 899-901.)

Why we need to keep learning

Why Everything We Know Has an Expiration Date - Samuel Arbesman





Key Competency: Research based on the job in the workplace today (Students n=2,821)
Key Competency: Research based on the job in the workplace today (Hiring Managers, n=4,207)



“It’s odd that no matter what you decide to study [in college], it’s exactly four years,” Khan says. “It’s clear that the designers of our university system decided that people should spend four years here and then decided what to fill the four years with. And that’s obviously not very valuable if really we’re trying to say, what are people trying to [learn]?”

Sal Khan Reinvents Education





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